ABSTRACT

Development of Stability Indicating Method for Chosen Pharmaceutical Preparation II

Thesis

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Lamotrigine was exposed to such conditions to reach its degradation into degradation products which are also possible impurities of lamotrigine. A suitable method for separation of this impurities using HPLC was searched. Several chromatography columns were tested and the composition of mobile phase was optimized. Chromatography column Hypersil BDS, C18, 250 x 4,6 mm, 5 µm was chosen. Mobile phase was acetonitril : phosphate buffer 35:65, final pH of the mobile phase was adjusted to 7.0 by orthophosphoric acid. Flow rate was 1 ml/min, injected volume 20 µl, column temperature 40ºC and UV detection at 309 nm. Linearity of this method was tested under these conditions.